

### **Session Chair**

- 1) Session Chair, *International Symposium on Electrokinetic Phenomena*, August 18-22, 2002, Krakow, Poland.

### **Invited Lectures**

- 1) Adamczyk, Z.; Weronski, P.; Siwek, B.; Zembala, M.; Musial, E. "Particle Adsorption Under Irreversible Conditions: Jamming Coverage and Structure", presented at *Current Trends in Interface Chemistry Polish - Israeli Symposium*, July 3-7, 2000, Lublin - Krakow, Poland.
- 2) Adamczyk, Z.; Siwek, B.; Weronski, P.; Zembala, M. "Adsorption of Colloid Dispersions at Interfaces: A Method to Investigate Dynamic Interactions and Structures", presented at *38<sup>th</sup> General Meeting of the German-Colloid-Society*, September 29-October 2, 1997, Essen, Germany.

### **Symposium Presentations**

- 1) Weronski, P.; Kolasinska, M.; Barbasz, J.; Adamczyk, Z. "New Approach to Modeling Multilayer Irreversible Adsorption of Charged Nanospheres", to be presented at *2006 Materials Research Society Fall Meeting*, November 27-December 1, 2006, Boston, Massachusetts, accepted.
- 2) Weronski, P.; Jiang, Y.; Rasmussen, S. "Molecular Dynamics Simulations of Micellar Dynamics and Stability", to be presented at *2006 Materials Research Society Fall Meeting*, November 27-December 1, 2006, Boston, Massachusetts, accepted.
- 3) Weronski, P.; Jiang, Y.; Rasmussen, S. "Molecular Dynamics Study of Peptide Nucleic Acid Affinity to Lipid Bilayer", to be presented at *2006 Materials Research Society Fall Meeting*, November 27-December 1, 2006, Boston, Massachusetts, accepted.
- 4) Barbasz, J.; Weronski, P.; Kolasinska, M.; Adamczyk, Z. "Monte Carlo Random Sequential Adsorption Model in Studies of Multilayer Thin Film Formation", presented at *6<sup>th</sup> International Symposium Effects of Surface Heterogeneity in Adsorption and Catalysis on Solids (ISSHAC-VI)*, August 28-September 2, 2006, Zakopane, Poland.
- 5) Weronski, P.; Jiang, Y.; Rasmussen, S. "Molecular Dynamics Simulations of Micellar Dynamics and Stability", presented at *Symposium 2006 "Championing Scientific Careers"*, August 2-3, 2006, Los Alamos, New Mexico.

- 6) Weronski, P.; Jiang, Y.; Rasmussen, S. "Application of Molecular Dynamics Computer Simulations in the Design of a Minimal Self-Replicating Molecular Machine", presented at *6<sup>th</sup> Understanding Complex Systems Symposium*, May 15-18, 2006, Urbana-Champaign, Illinois.
- 7) Monnard, P.A.; Bailey, J.; Boncella, J.; Chen, L.; Collis, G.; Colgate, S.; DeClue, M.; Fellerman, H.; Goranovic, G.; Jiang, Y.; Knutson, C.; Mouffouk, F.; Nielsen, P.; Sen, A.; Shreve, A.; Tamulis, A.; Travis, B.; Weronski, P.; Woodruff, W.; Zhang, J.; Zhou, X.; Ziolk, H.; Rasmussen, S. "Assembly of a simple self-replicating molecular aggregate", presented at *4<sup>th</sup> Astrobiology Science Conference AbSciCon 2006*, March 26-30, 2006, Washington, District of Carolina.
- 8) Barbasz, J.; Weronski, P.; Adamczyk, Z.; Kolasinska, M. "Theoretical Simulations and Ellipsometric Measurements of forming multilayer structures of controlled architecture", presented at *38<sup>th</sup> Polish Conference on Catalysis*, March 15-18, 2006, Krakow, Poland.
- 9) Barbasz, J.; Weronski, P.; Adamczyk, Z. "An efficient method of modeling random (porous) media of controlled architecture", presented at *38<sup>th</sup> Polish Conference on Catalysis*, March 15-18, 2006, Krakow, Poland.
- 10) Weronski, P.; Jiang, Y.; Rasmussen, S. "Molecular Dynamics Study of a Small PNA Molecule in a Lipid-Water System", presented at *Symposium 2005 "Championing Scientific Careers"*, August 2-3, 2005, Los Alamos, New Mexico.
- 11) Weronski, P.; Barbasz, J.; Adamczyk, Z. "Monte Carlo Random Sequential Adsorption Model in Studies of Multilayer Thin Film Formation", presented at *Symposium 2005 "Championing Scientific Careers"*, August 2-3, 2005, Los Alamos, New Mexico.
- 12) Weronski, P. "Limitations of Molecular Dynamics", presented at *International PACE-PAs Science Coordination Workshop*, July 19-22, 2005, Los Alamos, New Mexico.
- 13) Weronski, P.; Jiang, Y.; Rasmussen, S. "Molecular Dynamics Study of a Small PNA Molecule in a Lipid-Water System", presented at *International PACE-PAs Science Coordination Workshop*, July 19-22, 2005, Los Alamos, New Mexico.
- 14) Weronski, P.; Adamczyk, Z.; Siwek, B.; Jaszczołt, K. "Monte Carlo Random Sequential Adsorption", presented at international PACE-ECLT Integrated Twin Workshop *Multiscale Molecular Simulations and Stochastic Feedback*, November 22-December 5, 2004, Venice, Italy.
- 15) Adamczyk, Z.; Jaszczołt, K.; Siwek, B.; Szyk-Warszynska, L.; Weronski, P. "Colloid Particle Deposition at Heterogeneous Surfaces", presented at *18<sup>th</sup> Conference of the European Colloid and Interface Society*, September 19-24, 2004, Almeria, Spain.
- 16) Adamczyk, Z.; Jaszczołt, K.; Siwek, B.; Weronski, P. "Irreversible Adsorption of Colloid Particles on Heterogeneous Surfaces", presented at *5<sup>th</sup> International Symposium Effects of Surface Heterogeneity in Adsorption and Catalysis on Solids (ISSHAC-V)*, August 28-September 4, 2004, Gdańsk, Poland.
- 17) Weronski, P.; Adamczyk, Z.; Jaszczołt, K. "Modeling Irreversible Adsorption of Particles on Random-Site Surfaces", presented at the international SIMU-conference *Bridging the Scales*, August 29-31, 2004, Genova, Italy.

- 18) Adamczyk, Z.; Jaszczolt, K.; Siwek, B.; Weronski, P. "Deposition of Latex Particles at Heterogeneous Surfaces", presented at the international conference *Nonequilibrium Colloidal Phenomena*, May 19-21, 2004, Krakow, Poland.
- 19) Adamczyk, Z.; Siwek, B.; Jaszczolt, K.; Weronski, P. "Deposition of Latex Particles at Heterogeneous Surfaces", presented at *1<sup>st</sup> International Meeting on Applied Physics*, October 13-18, 2003, Badajoz, Spain.
- 20) Adamczyk, Z.; Siwek, B.; Jaszczolt, K.; Weronski, P. "Colloid Particle Deposition at Heterogeneous Surfaces", presented at *XVII Conference of the European Colloid and Interface Society*, September 21-26, 2003, Florence, Italy.
- 21) Walz, J.Y.; Weronski, P.; Elimelech, M. "Effects of Depletion Forces on Transport of Particles Through Porous Media", presented at *225<sup>th</sup> National Meeting of the American-Chemical-Society*, March 23-27, 2003, New Orleans, Louisiana.
- 22) Weronski, P.; Walz, J.Y.; Elimelech, M. "Effect of Depletion Interaction on Transport of Colloidal Particles in Porous Media", presented at *International Symposium on Electrokinetic Phenomena*, August 18-22, 2002, Krakow, Poland.
- 23) Weronski, P.; Walz, J.Y.; Elimelech, M. "Effect of Depletion Interaction on Transport of Colloidal Particles in Porous Media", presented at *76<sup>th</sup> Annual Colloid and Surface Science Symposium of the American-Chemical-Society*, June 23-26, 2002, Ann Arbor, Michigan.
- 24) Adamczyk, Z.; Siwek, B.; Musial, E.; Weronski, P. "Irreversible Adsorption of Colloid Particles at Heterogeneous Surfaces", keynote lecture presented at *4<sup>th</sup> International Symposium Effects of Surface Heterogeneity in Adsorption and Catalysis on Solids (ISSHAC-IV)*, August 27-31, 2001, Krakow, Poland.
- 25) Adamczyk, Z.; Siwek, B.; Zembala, M.; Weronski, P. "Adsorption from bimodal Colloid Suspensions. Kinetics and Structure of Mixed Monolayers", presented at *15<sup>th</sup> European Chemistry at Interfaces Conference*, October 18-22, 1998, Jerusalem, Israel.